

WIRELESS CONTROL OF POWER TRANSFER SWITCHES FOR ELECTRICAL LOAD MANAGEMENT

ABSTRACT

Methods and apparatus that couple standby power to certain non-critical loads to implement load reduction and avoid power shortages and resultant blackouts. A primary power source is coupled to an electrical breaker panel that distributes power to a plurality of loads including non-critical loads, critical loads, and load reduction loads.

5 A secondary power source is coupled to an automatic transfer switch that distributes power to the critical loads from the secondary power source if power is not available from the primary power source. A load reduction transfer switch, wired in parallel to the automatic transfer switch, distributes power from the secondary power source to the load reduction loads to reduce power demand on the primary source only when power

10 from the primary power source is available and during times requiring load reduction. Preferably, the load reduction transfer switch is wirelessly controlled to permit simultaneous load reduction at multiple sites.